Faculty of Architecture
Department: Architecture and Urbanism
Professional area: Architecture, Civil Engineering and Geodesy
Major: Architecture
Educational-and-qualification Degree: Master

COURSE DESCRIPTION

1. **Course unit title**: Pre-diploma Project 2 - Industrial and Transport Buildings
2. **Course unit code**: ARC 2049
3. **Type of course unit**: compulsory
4. **Level of course unit**: Master
5. **Year of study**: fifth
6. **Semester when the course unit is delivered**: tenth
7. **Number of ECTS credits allocated**: 15
8. **Name of lecturer**: Prof. Arch. Liuben Sivrev, PhD
9. **Learning outcomes of the course unit**: The lecture course aims at providing students with knowledge in designing industrial and transport buildings and complexes; at acquiring adequate methodological approaches when designing industrial and transport buildings and complexes.
10. **Mode of delivery**: face-to-face
11. **Prerequisites and co-requisites**: in order to do the course in Pre-diploma project 2 Industrial Buildings and Complexes, it is necessary for the students to have successfully completed the basic stage in their education and to have done Pre-diploma 1 with a positive grade. After the task for organization of industrial sub-region or transport complex in a phase Detailed draft project, in the 10^{th} semester students will design building complexes (industrial or transport) on a modular principle. These 2 projects will consolidate students' skills and knowledge and will be a really good exit basis for the diploma project.
12. **Course contents**: Designing and building industrial and transport complexes mainly on modular principle. Mastering knowledge in design of volume and spatial structures (single-storey, multi-storey, two-storey and specific) by the use of multi-variant solutions of functional plan schemes, façade and spatial drafts. Final selection and designing a conceptual plan for a manufacturing enterprise or transport complex (main building or a group of buildings, multi-layer public servicing and auxiliary buildings). Prior studies (text and the variant solutions), explanatory note with reasons for the chosen variant are applied to the plan.
13. **Recommended or required reading**:
    - Ким Н.Н. и др. - Архитектура промышленных предприятий, зданий и сооружений. (Справочник проектировщика). Москва, 1990г.
    - Walter Henn. - Industriebau : I-Planung, Entwurf, Gestaltung; II-Enwurfs und Konstruktionsatlas;Internationale Beispiele,1972г.
    - Mosch-Kossatz. - Betriebseirichtung-Band 2, Berlin, 1970.
    - Ackermann K. - Idustriebau. Stuttgard, 1994.
    - Bill Price - Landmarks of the world, 2007
    - Lars Spuybrock - Architecture of variation_the, 2009
    - Agata Losantos - Urban landscape, 2007
    - Нойферт Е. - Архитектурно проектиране. „Софт Прес" 2008.
    - Jodidio P. - Architecture Now! (Vol.1 , Vol.2). London, 2006.

- Булев Т. -Ландшафтна архитектура – том 1 и 2. ”Булархарт”, София,2010г.
- Костов К. - Из опита на един български архитект.”Булгет”, София,2007г.
- Никифорова Р. - Дизайн в архитектурна среда. ВСУ ”Черноризец Храбър”, Варна, 2011г.
- Никифоров И. -Градоустройсто 1 и 2 част. ВСУ ”Черноризец Храбър”,
- Варна, 2009г.
- Ковачев А. -Градоустройство 1 и 2 част. „Pensoft”,София-Москва, 2003г.
- Замоло Д. - Градители Београда. Београд, 2009г.

14. **Planned learning activities and teaching methods**: seminars, contact hours and independent learning
15. **Assessment methods and criteria**: a written exam and a defense of a project assignment.
16. **Language of instruction**: Bulgarian
17. **Work placement(s):** none